

Call for Contributions

Note: Onsite and Online Options

In order to accommodate a large number of situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person, but are aware that special circumstances are best handled by having flexible options.

Submission:

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICWMC+2020+Special>

Please select Track Preference as **DSIoT**

Special track

DSIoT: Data Science for the Internet of Things

Chair

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along with

ICWMC 2020, The Sixteenth International Conference on Wireless and Mobile Communications

<https://www.iaria.org/conferences2020/ICWMC20.html>

October 18 - 22, 2020 - Porto, Portugal

Data Science has driven the business world by storm. Nowadays, improving business productivity and performance greatly depends on the collection and analyzing data. Data science can be defined as an interdisciplinary field including methods to gather, store, analyze, manage and publish data.

In the Internet of Things (IoT), smartphones and household appliances can simply become sensor devices and constitute sensor networks, measuring environmental parameters and generating user interaction data. As the popularity of IoT increases, a surge of data lies in the future. The growth in data is not only going to require a better infrastructure, but smarter data science approaches. As sensor networks are principally data-oriented networks, data science methods have been chosen to enhance the IoT in terms of data management, throughput, and optimization. Data Science can produce good solutions to overcome the most IoT challenges.

The Artificial Intelligence (AI) can be exploited and integrated with data science and this can make the processing of the data easier and self-learning of the device faster (e.g., via Machine Learning). IoT is one of the biggest data generators and this is precisely why Data Science will be needed in IoT. The integration between Data Science and IoT still represents a research and application challenge.

Topics include, but not limited to:

- Data Management in IoT devices
- Methods for assessing IoT data quality
- Wearable IoT data optimization systems
- IoT Data Analytics
- Machine Learning for IoT
- Energy Efficient IoT Systems
- Data reduction in IoT
- Data aggregation in IoT
- Integrating IoT data with external data sources
- Data Science approaches for Smart Cities
- Green Networking
Sensor Networking
- Big data for IoT networking

Important Datelines

Submission: August 24, 2020

Notification: September 13, 2020

Registration: September 23, 2020

Camera-ready: September 23, 2020

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Paper Format

- See: <http://www.iaia.org/format.html>

- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=ICWMC+2020+Special>

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

Contact

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